```
#include<stdio.h>
int average(int sum, int n);
int main(){
int n,i,sum=0;
printf("Enter the size of the class: ");
scanf("%d", &n);
struct class{
     char name[20];
     int roll;
     int marks;
}c[n];
for(i=0; i<n; i++){
     printf("Enter student %d name: ", i+1);
     scanf("%s", c[i].name);
     printf("Enter student %d roll: ", i+1);
     scanf("%d", &c[i].roll);
     printf("Enter student %d marks: ", i+1);
     scanf("%d", &c[i].marks);
     sum+=c[i].marks;
     printf("\n");
printf("Student's Information:\n\n");
     printf("|| Name || Roll No. || Marks ||");
     printf("\n
                                                          __\n");
for(i=0; i<n; i++){</pre>
     printf("||%9s ||%8d ||\n", c[i].name, c[i].roll,
c[i].marks);
printf("\nThe average marks of the class is %d\n", average(sum,n));
return 0;
int average(int sum, int n){//function to calculate the average.
   int avg = sum/n;
```

```
return avg;
}
```

## **Output:**

```
Enter the size of the class: 5
Enter student 1 name: Ruhul
Enter student 1 roll: 29
Enter student 1 marks: 40
Enter student 2 name: Akash
Enter student 2 roll: 22
Enter student 2 marks: 42
Enter student 3 name: Tapas
Enter student 3 roll: 25
Enter student 3 marks: 45
Enter student 4 name: Avik
Enter student 4 roll: 20
Enter student 4 marks: 49
Enter student 5 name: Soura
Enter student 5 roll: 26
Enter student 5 marks: 46
Student's Information:
Ш
       Name
                 || Roll No.
                                   11
                                          Marks
                                                   Ш
       Ruhul
                          29
                                             40
                          22
                                            42
       Akash
                          25
                                            45
       Tapas
       Avik
                          20
                                             49
       Soura
                          26
The average marks of the class is 44
```

```
#include<stdio.h>
int main(){
      int i,Team;
struct cricket{
      char player_name[20];
      char team_name[2];
      float batting_avg;
}player[50];
for(i=0; i<50; i++){</pre>
      printf("\nEnter player %d name: ", i+1);
      scanf("%s", player[i].player_name);
      printf("\nEnter player %d team(A/B): ", i+1);
      scanf("%s", player[i].team_name);
      printf("\nEnter player %d batting average: ", i+1);
      scanf("%f", &player[i].batting_avg);
printf("\nTeam A player's info:\n");
      printf("|| Name || Batting Average ||");
                                                      ___\n");
      printf("\n___
for(i=0; i<50; i++){</pre>
      if(*player[i].team_name=='A'){
         printf("||%9s ||
                                                 ||\n",
player[i].player_name, player[i].batting_avg);
printf("\n__
                                                  _\n");
printf("\n\nTeam B player's info:\n");
     printf("|| Name || Batting Average ||");
      printf("\n____
                                                      ____\n");
for(i=0; i<50; i++){
      if(*player[i].team_name=='B'){
         printf("||%9s || %.2f
                                                 ||\n",
player[i].player_name, player[i].batting_avg);
```

```
}
}
printf("\n_____\n");

return 0;
}
```

## **Output:**

```
Enter player 1 name: Virat
Enter player 1 team(A/B): A
Enter player 1 batting average: 50.91
Enter player 2 name: Rohit
Enter player 2 team(A/B): B
Enter player 2 batting average: 50.11
Enter player 3 name: Dhoni
Enter player 3 team(A/B): A
Enter player 3 batting average: 48.88
Enter player 4 name: Rahane
Enter player 4 team(A/B): B
Enter player 4 batting average: 45.56
Enter player 5 name: Rahul
Enter player 5 team(A/B): A
Enter player 5 batting average: 49.90
Enter player 6 name: Sachin
Enter player 6 team(A/B): B
Enter player 6 batting average: 52.23
Enter player 7 name: Ishant
Enter player 7 team(A/B): A
Enter player 7 batting average: 31.11
Enter player 8 name: Shami
Enter player 8 team(A/B): B
Enter player 8 batting average: 29.29
Enter player 9 name: Hardik
Enter player 9 team(A/B): A
Enter player 9 batting average: 45.55
Enter player 10 name: Jadeja
Enter player 10 team(A/B): B
Enter player 10 batting average: 45.21
```

```
Team A player's info:
       Name
                     Batting Average
                                        Ш
               Ш
      Virat
                         50.91
      Dhoni
                         48.88
                         49.90
      Rahul
                         31.11
     Ishant
     Hardik
                         45.55
Team B player's info:
                      Batting Average
       Name
                                         Ш
               Ш
      Rohit
                         50.11
                         45.56
     Rahane
     Sachin
                         52.23
      Shami
                         29.29
     Jadeja
                         45.21
```

```
#include<stdio.h>
#include<stdlib.h>
struct student
{
      char name[20];
      int roll;
};
int main()
      struct student *s;
      int i,n;
      printf("Enter the number of records you wish to enter: ");
      scanf("%d",&n);
      s = (struct student*)malloc(n*sizeof(struct student));
      for(i=0;i<n;i++)</pre>
            printf("Enter the roll number and name of student no. %d: ",
i+1);
            scanf("%d %s", &(s+i)->roll, (s+i)->name);
      printf("Now showing the students info:\n");
```

```
printf("| Roll | Name |\n");
    printf("_______\n");
    for(i=0;i<n;i++)
    {
        printf("|%4d |%12s |\n",(s+i)=>roll,(s+i)=
>name);
    }
    printf("______\n");
    return 0;
}
```

## **Output:**

```
Enter the number of records you wish to enter: 5
Enter the roll number and name of student no. 1: 29 Ruhul
Enter the roll number and name of student no. 2: 22 Avik
Enter the roll number and name of student no. 3: 25 Akash
Enter the roll number and name of student no. 4: 21 Ankan
Enter the roll number and name of student no. 5: 27 Debu
Now showing the students info:

| Roll | Name |

| 29 | Ruhul |
| 22 | Avik |
| 25 | Akash |
| 21 | Ankan |
| 27 | Debu |
```